

```

1 msdsgsqlgs mgsltmksql qitvisaklk enknwfgps pyvevtvdgq skktekcnnnt
61 nspkwkqplt vivtpvsklh frvwshqtlk sdvllgtaal diyetlksnn mkleevvvtl
121 qlggdkepte tigdlsicld glqlesevvnt ngettcsesta sqnddgsrsk detrvstngs
181 ddpedagage nrrvsgnnsp slsnggfkps rpprpsrppp ptprrpasvn gspstnsd
241 gsstgslppt ntntntsega tsqliiplti sggsgprpln pvtqaplpqg weqrvdqhgr
301 vyyvdhvekr ttwdrepepl pgwerrvdmn griyyvdhft rtttqrptl esvrnyeqwg
361 lqrsqllgqam qqfnqrifiy nqdlfatsqs kefdplgplp pgwekrtdsn grvyfvnht
421 ritqwedprs qgqlnekplp egwemrftvd gipyfvdhnr rtttyidprt gksaldngpq
481 iayvrdfkak vqyfrfwcqq lampqhik vtrktlfeds fqqimsfspq dlrrrlwvif
541 pgeegldygg varewfflls hevlnpmycl feyagkdnyl lqinpasyin pdhlkyfrfi
601 grfiamalfh gkfidsfsl pfykrilnk vglkdlesid pefynsliw kenniecdl
661 emyfsvdkei lgeikshdlk pnggnilvte enkeeyirmv aewrlsrgve eqtqaffegf
721 neilpqyqlq yfdakelevl lcgmqeidln dwqrhaiy rh yartskqimw fwqfvkeidn
781 ekrmrllqfv tgtcrpvgg fadlmgsngp qkfciekvk enwlrprshc fnrldlppyk
841 syeqлкеll faieetegfg qe (SEQ ID NO:1)

```

FIG. 1A

```

1 mgsltmksql qitvisaklk enknwfgps pyvevtvdgq skktekcnnnt nspkwkqplt
61 vivtptsklc frvwshqtlk sdvllgtagl diyetlksnn mkleevvmtl qlvgdkepte
121 tmgdlsvcld glqveaevvt ngetscsest tqnddgcrttr ddttrvstngs edpevaasge
181 nkrangnnsp slsnggfkps rpprpsrppp ptprrpasvn gspstnsdgs gsstgslppt
241 ntnvntstse gatsgliipl tisggsgprp lntvsqaplp pgweqrvdqh grvyvvdhve
301 krttwdrepe lppgwerrvd nmgriiyvdh ftrtttqwrp tlesvrnyeq wqlqrsqllg
361 amqqfnqrifi ygnqdlfats qnkefdplgp lppgwekrtd sngrvyfvnh ntritqwedp
421 rsqgqlnekp lpegwemrft vdgipyfvdh nrrattyidp rtgksaldng pqiayvrdfk
481 akvqyfrfwc qllampqhik itvtrktlfe dsfqqimsfs pqdlrrrlwv ifpgeegldy
541 ggwarewffl lshevlnpmy clfeiyagkdn yclqinpasy inpdhlkyfr figrfiamal
601 fhgkfidsf slpfykriln kpvgldles idpefynsli wvkennieec glemyfsvdk
661 eilgeikshd lkpnggnilv teenkeeyir mvaewrlsrg veeqtqaffe gfneilpqyq
721 lqyfdakele vllcgmqeid lndwqrhaiy rhytrtskqi mwfwqfvkei dnekrmrllq
781 fvtgtcrpvp ggfadlmgsn gpqkfciekv gkenwlrprsh tcfnrldlpp yksyeqlkek
841 llfaieeteg fgqe (SEQ ID NO:2)

```

FIG. 1B

```

1 matcavevfg lledeensri vrvrviagig lakkdilgas dpyvrvtlyd pmngvltsvq
61 tktikkslnp kwneeilfrv hpqqhrlife vfdenrltrd dflgqvdpvl yplptenprl
121 erpytfkdfv lhrshksrv kgyrlrkmtly lpktsgsedd naeqaeelep gwvvldqpda
181 achlqqqqep splppgweer qdilgrtyyv nhesrrtqwk rptpqdnlt d aengniqlqa
241 graffttrrqi seetesvdnr essenweiir edeatmysnq afpspppsn ldvpthlaee
301 lnarltifgn savsqpasss nhssrrgslyq aytfeeqptl pvllptssgl ppgweekqde
361 rgrsyyvdhn srtttwtktpt vqatvetsql tssqssagpq sqastdsdgq qvtqpseieq
421 gflpkgwevr hapngrpffi dhntktttwe dprlkipahl rgktsldtsn dlglplppgwe
481 erthtdgrif yinhnikrtg wedprlenva itgpavpysr dykrkyeffr rklkkqndip
541 nkfemklrra tvledsyrrri mgvkradflk arlwiefdge kgldyggvar ewffliskem
601 fnpyyglfey satdnytlqi npnsglcned hlsyfkfigr vagmavyhgk lldgffirpf
661 ykmmllhkpit lhdmesvdse yynslrwile ndpteldlrf iideelfggt hqhelknnggs
721 eivvtknknk eyiylviqwr fvnriqkqma afkegffeli pqdlikifde nelellmcgl
781 gdvdvndwre htikyngysa nhqviqfwk avlmmmdsekr irllqfvtgt srvpmmgfae
841 lygsngpqsf tveqwgtpk lprahtcfnr ldlppyesfe elwdklqmai entqgfdgvd

```

(SEQ ID NO:3)

FIG. 2A

```

1 msgiltsvqt ktikkslnpk wneeilfrvl pqrhrilfev fdenrltrdd flgqvdpvly
61 plptenprme rpytfkdfvl hprshksrvk gylrlkmtyl pkngsedena dgaeelepgw
121 vvldqpdaat hlphppepsp lppgweeqd vlgrtyyvnh esrrtqwkrp spdddltded
181 nddmqlqaqr afttrrqise dvdgpdnres penweivred enteysggav qsppsghidv
241 qthlaeefnt rlavcgnpat sqpvtssnhs srggslqtc i feeqptlpvl lptssglppg
301 weekqddrgr syvvdhnskt ttwskptmqd dprskipahl rgktdsndlg plppgweert
361 htdgrvffin hnikktqwed prlqnvaigt pavpysr dyk rkyeffrrkl kkqtdipnkf
421 emklrranil edsyrrimgv kradllkarl wiefdgekgl dyggvarewf fliskemfnp
481 yyglfeysat dnytlqinpn sglcnedhls yfkfigrvag mavyhgklld gffirpfykm
541 mlqklitlhd mesvdseyys slrwilendp teldlrfiid eelfgqthqh elktggseiv
601 vtnknkkeyi ylviqwrfrvn riqkqmaafk egffeliqqd likifdenel ellmcglgdv
661 dvndwrehtk ykngysmnhq vihwfwkavw mmdsekrirl lqfvtgtsrv pmngfaelyg
721 sngpqsf tveqwgtpk lprahtcfnr ldlppyesfe elwdklqmai entqgfdgvd

```

(SEQ ID NO:4)

FIG. 2B

```

1 magnvkkssg aggggtsgsgs gsggliglmk dafqphhhhh hhlsphppgt vdkkmvekcw
61 klmdkvvrlic qnpklalkns ppyildlpld tyghlrltils ryegkmetlg eneyfrvfme
121 nlmkktkqti slfkegkerm yeensqprn ltkslifsh mlaelkgifp sglfggdtfr
181 itkadaaefw rkafgektiv pwksfrqalh evhpissgle amalkstidl tcndyisvfe
241 fdiftrlfqp wssllrnwns lavthpgyma fltydevkar lqkfihkpgs yifrlsctrl
301 gqwaigyvta dgnilqtiph nkplfgalid gfreghfypf dgrnqnpdlt glceptpqdh
361 ikvtgeqyel ycemgstfql ckicaendkd vkiepcghlm ctscltswqe segggcpfcr
421 ceikgtepiv vdpfdprgsg slirqgaega pspnyddddd eraddtlfmm kelagakver
481 ppspfsmapi aslppvpprl dlppqrvcvp ssasalgtas kaasgslhkd kplvpvptlr
541 dlppppppdr pysvgaesrp qrrplpctpg dcpsrdklpp vpssrlgdsw lprpikvpv
601 sapsssdpwt grelnrhl pflslpsqme rpdvprlgst fsldtsmsmn ssplvgpecd
661 hpkikpsssa naiyslaarp lpvpklppge qcegeedtey mtpssrplrp ldtsgssrac
721 dcdqgidst yeamyniqsq apsitesstf gegnlaaaah ntgpeesene dgydvkppv
781 vpavlarrtl sdisnasssf gwslldgdpv tnvtegsqvp erppkpfpr inderkagsc
841 qggsgpaasa atasqlsse ienlmsqgys yqdiqkalvi aqnniemakn ilrefvsiss
901 pahvat (SEQ ID NO:5)

```

FIG. 3A

```

1 magnvkkssg aggggsgsgs aggliglmkd afqphhhhhh lsphppctvd kkmvekcwkl
61 mdkvvrlicn pnvalknspp yildlpldty qhlrtvlrsy egkmetlgen eyfrvfmnl
121 mktktktisl fkegkerm yeensqprnlt klslifshml aelkgifpsg lfqgdtfrit
181 kadaaefwrk afgektivpw ksfrqalhev hpissgleam alkstidltc ndyisvfeff
241 iftrlfqpws slrnwnsla vthpgymafl tydevkarlq kfihkpgsyi frlctrlgq
301 waigyvtadg nilqtiph nkplfgalidg regfypfpg rgnqnpdltgl ceptpqdhik
361 vtqicaendk dvkiepcghl mctscitswq esegggcpfc rceikgtepi vdpfdprgs
421 gsllrqgaeg apspnyddddd deraddslfm mkelagakve rpsspfsmapi qaslpvppr
481 ldllqgrapv pastsvlgta skaasgslhk dkplpipptl rdlppppppd rpysvgaetr
541 pqrplpctp gdcpsrdklp pvpssrpgds wlrtipkvp vatpnpdpw ngreltnrhl
601 lpflslpsqme pradvprlgs tfsltsmtm nsspvagpes ehpkikpss anaiyslaar
661 plmpklppg eggeseedte ymtpsrpvg vqkpekrpl eatqssracd cdqgidstc
721 eamyniqsqa lsvaensasg egnlatahts tgpeesened dgydvkppv pavlarrtl
781 disnasssf wslldgdpv fnegsqvper ppkpfpr inderkagsc
841 tapspqlsse ierlmsqgys yqdiqkalvi ahnniemakn ilrefvsiss pahvat
(SEQ ID NO:6)

```

FIG. 3B

```

1 mansmngnrp ggrggnprkg rilgiidaig davgppkqaa adrtrvektw klmdkvvrle
61 qnpklqlkns ppyildilpd tyqhlrlils kyddnqklaq lsenevfkiy idslmkkskr
121 airlfkegke rmyeeqsqdr rnltklslif shmlaeikai fpngqfqqdn fritkadaae
181 fwrkffgdkt ivpwkvfrqc lhevhiqiss leamalksti dltnndyisv fefdiftrlf
241 qpwwsilrnw nflavthpgy maflytydevk arlqkystkp gsyifrlsct rlgqwaigyv
301 tgdgnilqti phnkplfqal idgsregfyl ypdgrsynpd ltglceptph dhikvtgeqy
361 elycemgstf qlckicaend kdvkiepcgh lmctscitaw qesdgggcpf crceikgtep
421 iivdpfdprd egsrcsiid pfgmpmldld ddddreelsm mnrlanvrkc tdrqnsptvs
481 pgssplaqrr kqpdpqlqip hslppvppr ldliqkgivr spcgsptgsp ksspcmvrkq
541 dkplpapppp lrdppppppe rpppppndr lsrihhves vpsrdppmpl eawcprdvfg
601 tnqlvgcrl lgegspkpgit assnvgrhs rvgsdplmr khrrhdlple gakvfnghl
661 gseeydvppr lppppvtll lpsikctgpl anlsektrd pveeddeyk ipsshpvsln
721 sqpshchnvk ppvrscdngh cmlngthgps sekksnipdl siylkgdvfd sasdpvplpp
781 arpptrdnkp hgsslnrtps dydllipplg edafdalpps lpppppparh sliehspppg
841 sssrpssgqd lfillpsdpfv dlasgqvplp parrlpgenv ktnrtsqdyd qlpscdsgsq
901 aparppkprp rrtapeihhr kphgpeaale nvdakiaklm gegyafeevk raleiaqnnv
961 evarsilref afpppvspri nl (SEQ ID NO:7)

```

FIG. 4A

```

1 mctscitawq esdgggcpfc rceikgtepi ivdpfdprde gsrcsiidp fsipmldldd
61 dddreeslmm nrlasvrkct drqnsptvsp gssplaqrrk qpdpqlqip lslppvpprl
121 dliqkgivrs pcgsptgspk sspcmvrkqd kplpapppppl rdppppperp ppippdnrls
181 rhfhghesvp srdqpmplea wcpdrdfgtn qvmgcrilgd gspkpgvtan sslngrharm
241 gseqvlmrkh rrhdlpsega kvfsnglat eeydvpprls ppppvttllp sikctgplan
301 clsektrdtv eddddeykip sshpvslnsq pshchnvkap vrscdnghci lngthgapse
361 mkksnipdlg iylkgedafd alppslpppp pparhslieh skppgsssrp ssgqdlfillp
421 sdppfdptsg qvplpparra agdsgkanra sqdydqlpss sdgsqaparp pkprprrtap
481 eihhrkphgp eaalenvdak iaklmgegya feevkralei agnnvevars ilrefafppp
541 vsprlnl (SEQ ID NO:8)

```

FIG. 4B

1 malavapwgr qweearalgr avrmlqrlee qcvdprlsvs ppslrdllpr taqllrevah
61 srreaagggp gpggsgdfl liylanleak srqvaallpp rgrrsandel fragsrlrrq
121 laklaiifsh mhaelhalfp ggkycghmyq ltkapahtfw rescgarcvl pwaefesllg
181 tchpvepgct alalrttidl tcsghvsife fdvfrlfgp wptllknwql lavthpgyma
241 fltydevqer lqacrdkpgs yifrpctrl ggwaigyvss dgsilqtipa nkplsqvllle
301 gqkdgyfryp dgkthnpdlt elgqaepqqr ihvseeqlql ywamdstfel ckicaesnk
361 vkiepcghll cscclaawqh sdsqtcpcfr ceikgweavs iyqfyggata edsgnssdq
421 grelelgqvp lsapplpprp dlpprkprna qpkvrllkgn sppaalgpqd papa

(SEQ ID NO:9)

FIG. 5A

1 maaaaaprgw qrgepralsr avkllqrlee qcrdprmvgt ppslrdllpr taqllgevak
61 arrearedpe gpggaddfla iylanlevkg rqaellppr gkkdvnqdvf regsrrrrql
121 aklalifshm haelsalfpa gkycghlyql tkgsahifwr qncgvrcvlp waefqsllca
181 chpvepgptm qalrstldlt cnghvsvfef dvftrlfqpw ptllrnwql avnhpgymaf
241 ltydevqtrl qayrdkpgsy ifrpsctrlg qwaigyvssd gsilqtipn kpillqvllkg
301 qkdgiflfpd gkknnpdlte lcrvepyqri qvseeqllyl qamnstfqlc kicaerdkdv
361 riepcghllc scclsawqds dsqtcpcfrc eikgreavsi cqaqerptev rtaadgsrdn
421 chgeaaeqkl gpvipsapsl lpedqfpqgp qdkgwltlap lalprlrppl plpkmasvllw
481 evtsrprare eatess (SEQ ID NO:10)

FIG. 5B

1 mppppgagvs crggcgfsrl lawcfillals pgapgsrgae avwtaylnvs wrvphtgvnr
61 tvwelseeqv ygqdsplepv agvlvppdgp galnacnphnt nftvptvwgs tvqvswlali
121 qrgggctfad kihlayerga sgavifnfpq trnevipmsh pgavdivaim ignlkgtkil
181 qsiqrgiqvt mvievgkkgg pwnhysiff vsvsffiita atvgyfifys arrlrnaraq
241 srkqrqlkad akkaigrlql rtlkqgdkei gpdgdscavc ielykpndlv riltcnhifh
301 ktcvdpwlle hrtcpmckcd ilkalgievd vedgsvslqv pvsneisnsa ssheednrse
361 tassgyasvq gtdeppleeh vqstneslql vnheansvav dviphvdnpt feedetpnqe
421 tavreiks (SEQ ID NO:11)

FIG. 6A

1 mppppgigvy crggcgaaarl lawcfillals phapgsrgae avwtaylnvs wrvphtgvnr
61 tvwelseeqv ygqdsplepv sgvlvppdgp galnacnphnt nftvptvwgs tvqvswlali
121 qrgggctfad nihlaserga sgavifnfpq trnevipmsh pgagdivaim ignlkgtkil
181 qsiqrgiqvt mvievgkkgg pwnhysiff vsvsffiita atvgyfifys arrlrnaraq
241 srkqrqlkad akkaigklql rtlkqgdkei gpdgdscavc ielykpndlv riltcnhifh
301 ktcvdpwlle hrtcpmckcd ilkalgievd vedgsvslqv pvsneasnta spheedsrse
361 tassgyasvq gadeppleeh aqsanenlql vnheansvav dvvphvdnpt feedetpdqe
421 aavreiks (SEQ ID NO:12)

FIG. 6B

5 1 magaaspcan gcgpgapsda evhlcrsle vgtvmtlfys kksqrperkt fgvkletqrq
 61 twsrgadkie gaidireike irpgktsrdr dryqedpafr pdqshcfvil ygmefrlktl
 121 slqatsedev nmwikgltwl medtlqatp lqierwlrkq fysvdrnred risakdlkmm
 181 lsqvnrvpn mrflrerltd leqrsdity ggfaqlrsl mysaqktmdl pflealtlra
 241 gerpelcrvs lpefqqlld yggelwavr lqvqefmlsf lrdplreiee pyffldefvt
 301 flfskensvw nsqldavcpd tmnnplshyw isshtntylt gdqfssessl eayarclrmg
 361 crcieldcw dgdgmpviyh ghtlttkikf sdvlhtikeh afvaseypvi lsiedhcsia
 421 qqrmaayfk kvlgdtlltk pveisadglp spnqlkrkil ikhkklaegs ayeevptsmm
 481 ysendisnsi kngilyledp vnhewyphyf vltsskiyys eetssdqgne deeeepkevss
 541 stelhsnekf fhgklgagr grhiaerllt eycietgapd gsflvreset fvgdytlfsw
 601 rngkvqhcri hsrqdagtpk ffltdplvfd slydlithyq qvplrcnefe mrlsepvpqt
 661 naheskewyh asltraqaeh mlmrprdg flvrkrnepn syaisfraeg kikhcrvqge
 721 gqtmvlgmse fdlvdlisy yekhpkyrk klrypineea lekigtaepd ygalyegrn
 781 gfyveanpmp tfkcavkalf dykaqredel tfiksaiqn vekqeggwrr gdyggkkqlw
 841 fpsnyveemv npvalepere hldensplgd llrgvldvpa cqiairpegk nnrlfvfsis
 901 masvawhsl vaadsqeelq dwvkkireva qtadarlteg kimerrkkia lelselvvyc
 961 rpvpfdeeki gteracyrdm ssfpetkaek yvnkakgkff lqynrlqlsr iypkgqrls
 1021 snydplpmwi cgsqqlvalnf qtpdkpmqmn qalfmtgrhc gyvlpqstmr
 deafdpfdks
 1081 slrglepcai sievlgarhl pknrgivcp fveievagae ydstkqktef
 vvdnglnpvw
 1141 pakpfhfqis npefaflrfv vyeedmfdsq nflaqatfpv kglktgyrav
 plknnyseidl
 1201 elaslikid ifpakqengd lsfsgtslr ergsdasgql fhgraregsf
 esryqgpfed
 1261 frisquehlad hdsrerrap rrtrvngdnr 1 (SEQ ID NO:13)

FIG. 7A

1 mefrlktlsl qatsedevenm wikgltwlme dtlqaatplq ierwlrkqfy svdrnredri
 61 sakdlkmmis qvnrvpnmr flrerltdle qrsditygg faqlrslmy saqktmdlpf
 121 letnalrtge rpehcqvsls efqqflleyq gelwavdrq vqefmlsflr dplreieepy
 181 ffdelvtfl fskensvwns qldavcpdtn nnplshywis sshntyltgd qfssesslea
 241 yarclrmgcr cioldcw dgdgmpviyhgh tlttkikfsd vlhtikehaf vaseypvils
 301 iedhcsiaqg rnmaqhfkrv lgtliltkpv diaadglpsp nqlrrkilik hkklaegsay
 361 eevptsvmys endisnsikn gilyledpvn hewyphyfvl tsskiyysee tssdqgnede
 421 eepkeassst elhssekwhf gklgagrdr hiaerlltey cietgapdgs flvresetfv
 481 gdytlfswrn gkvqhcrihs rqdagtpkff ltdnlvfdsl ydlithyqqv plrcnefemr
 541 lsepvpqttna heskewyhas ltraqaehml mrprdgaf flvrkrnepnsy aisfraegki
 601 khcrvqgegq tvmlgnsefd slvdlisyke khplyrkml rypineeale kigtaepdyg
 661 alyegrnpgf yveanpmpkf kcavkalffy kaqredeltf tksaiqnve kqdgwwrgd
 721 yggkkqlwfp snyveeminp avleperehl densplgdll rgvldvpacq iaairpegknn
 781 rlfvfvfssmp svaqwsldva adsqeelqdw vkkirevaqt adarltegkm merrkkiale
 841 lselvvyvcrp vpfdcekigt eracyrdms fpetkaekyv nkakgkflq ynrlqlsriy
 901 pkgqrlsdssn ydplpmwicg sqlvalnfqt pdkpmqmqn lfmagghcgy vlqpstmrde
 961 afdpfdkssl rglepvcici evlgarhlpk nrgivcpfv eievagaeyd stkqktefv
 1021 dnglnpvwpa kpfhfqisnp efaflrfvvv eedmfdsqnf laqatfpvkg
 lktgyravpl
 1081 knnyseidl aslikidif pakengdlsp fsgislrera sdassqlfhv
 raregsfear
 1141 yqgpfedfri sqehladhfd srerraprtr rvngdnrl (SEQ ID NO:14)

FIG. 7B

```

1 mspflrigls nfdcgcscqsc qgeavnpypca vlvkeyvese ngqmyiqkqp tmyppwdstf
61 dahinkgrvm qiivkgknvd lisettvely slaercrknn gkteiwlelk pggrrlmnar
121 yflemsdtkd mnefetegff alhqrrgaik qakvhhvkch eftatffpqp tfcsvghefv
181 wglnkqgyqc rqcnaaihhk cidkviakct gsainsretm fhkerfkidm phrfkvynyk
241 sptfcehcgt llwglarqgl kcdacgmnhv hrcqtkvanl cgingklmae alamiestqg
301 arclrdteqi fregpveigl pcsiknearp pclptpgkre pggiswespl devdkmchlp
361 epelnkerps lqiklkiedf ilhkmlgkgs fgkvflaefk ktnqffaika lkkdvvlmdd
421 dvectmvekr vlslawehpf lthmfctfqt kenlffvmey lnggdmyhi qschkfdlsr
481 atfyaaeiil glqflhskgi vyrdlkldni lldkdghiki adfgmckenm lgdaktntfc
541 gtpdyiapei llgqkynhsv dwwsfgvllly emligqspfh gqdeelfhs irmdnpyfyr
601 wlekeakdll vklfvrepek rlgvrqdirq hplfreinwe elerkeidpp frpkvkspfd
661 csnfdkefln ekprlsfadr alinsmdqnm frnfsfmnp merlis (SEQ ID
NO:15)

```

FIG. 8A

```

1 mspflrigls nfdcgtcqc qgeavnpypca vlvkeyvese ngqmyiqkqp tmyppwdstf
61 dahinkgrvm qiivkgknvd lisettvely slaercrknn grteiwlelk pggrrlmnar
121 yflemsdtkd msefenegff alhqrrgaik qakvhhvkch eftatffpqp tfcsvghefv
181 wglnkqgyqc rqcnaaihhk cidkviakct gsainsretm fhkerfkidm phrfkvynyk
241 sptfcehcgt llwglarqgl kcdacgmnhv hrcqtkvanl cgingklmae alamiestqg
301 arslrdsehi fregpveigl pcstknetrp pcvptpgkre pggiswdspl dgsnksagpp
361 epevsmrts lqlklkiddf ilhkmlgkgs fgkvflaefk rtnqffaika lkkdvvlmdd
421 dvectmvekr vlslawehpf lthmfctfqt kenlffvmey lnggdmyhi qschkfdlsr
481 atfyaaevil glqflhskgi vyrdlkldni lldrdghiki adfgmckenm lgdaktntfc
541 gtpdyiapei llgqkynhsv dwwsfgvlvy emligqspfh gqdeelfhs irmdnpyfyr
601 wlereakdll vklfvrepek rlgvrqdirq hplfreinwe elerkeidpp frpkvkspyd
661 csnfdkefls ekprlsfadr alinsmdqnm fsnfsfinpg metlics (SEQ ID
NO:16)

```

FIG. 8B


```

1 mmaaeagsee ggpvtagagg ggaaagssay pavcrvkipa alpvaapyp glvetgvagt
61 lgggaalgse flgagsvaga lggagltggg taagvagaaa gvagaavagp sgdmaltklp
121 tsllaetlgp gggfplppp pylpplgagl gtvdegdsld gpeyeveeva iptapptnq
181 wyhgkldrti aeerlrqagk sgsyliresd rrpgsfvlsf lsqmnvvnhf riiamcgdy
241 iggrrfssls dligyyshvs cllkgeklly pvappepved rrrrvrailpy tkvpdtdeis
301 flkgdmfivh neledgwmwv tnlrtdeqgl ivedlveevg reedp hegki wfhgkiskqe
361 aynllmtvgg vcsflvrpsd ntpgdyslyf rtneinqrk icptpnngfm mggryynsig
421 diidhyrkeq ivegyylkep vpmqdgqvl ndtvdgkeiy ntirrktda fyknivkkgy
481 llkkgkgkrw knlyfilegs daqliyfese kratkpgkli dlsvcsvyv hdsifgrpnc
541 fqivvqhse ehyifyfage tpeqaedwmk glqafcnlrk sspgtsnkr1 rqvsslvhi
601 eeahklpvkh ftnpycniyl nsvqvaktha reggnpvwse efvddlppd inrfeitln
661 ktkkskdpdi lfmrcqlsrl qkghatdewf llsshiplkg iepgsrvra rysmekimpe
721 eeysefkeli lqkelhvva lshvcgqdr1 llasillrif lhekleslll ctln dreism
781 edeattlfra tlastlmeq ymkatqtqv hhalkdsilk imeskqscel spsklekned
841 vntnlthlln ilselveki maseilpntl ryiygclqks vqhkwpntnt mrtrrvsgfv
901 flrlcpail nprmfniisd spspiaartl ilvaksqnl anlvefgake pymegvnpfi
961 ksnkhmimf ldelgnvpel pdttehsrtd lsrdaalhe icvahsdelr tlnsnergaq
1021 hvlkklait ellqqkqngy tktndvr (SEQ ID NO:17)

```

FIG. 9A

```

1 mcgdyiggr rfsslsdlig yyshvscilk gekllypvap pepvedrrrv railpytkvp
61 dtdeisflkg dmfvhnele dgwmwvtnlr tdeqglived lveevgreed phegkiwfhg
121 kiskqeynl lmtvgqvcsf lvrpsdntpg dyslyfrtne nigrfkicpt pnnqfmmggr
181 yynsigdiid hyrkegiveg yylkepvpmq dggqvlndtv dgkeiyntir rktkdafykn
241 ivkkgyllkk gkgkrwnly filegsdaql iyfesekrat kpkglidlsv csvyvvhds1
301 fgrpncfqiv vghfseehyi fyfagetpeq aedwmkglqa fcslrksspg tsnkrlrqvs
361 slvlhieeah klpvkhtnp ycnlylnsvq vaktharegq npwseefvf ddlppdinrf
421 eitlsnktkk skdpdilmr cqlsrlqkgh atdewfllss hiplkgiepg slrvrarsm
481 ekimpeeeys efkelilqke lhvvyalshv cgqdr1llas illkiflhek leslllctln
541 dreismedea ttlfrattla stlmeqymka tatqfvhhal kdsilkimes kqscelspsk
601 leknedvntn lahllsilse lvekifmase ilpntlryiy gelqksvqhk wptntnmtrr
661 vvgfvlrl icpailnprm fniisdspsp iaartltlva ksvqnlaln1 efgakepyme
721 gvnpfiksnk hrmimfldel gnvpepdt1t ehsrtdlsrd laalheicva hsdelrtln
781 ergvqghv1k kl1aitellq qkqngytktn dir (SEQ ID NO:18)

```

FIG. 9B

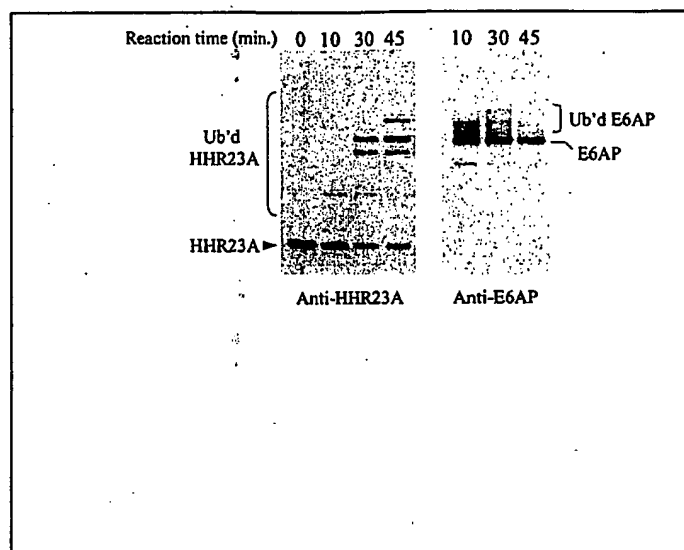


FIG. 10

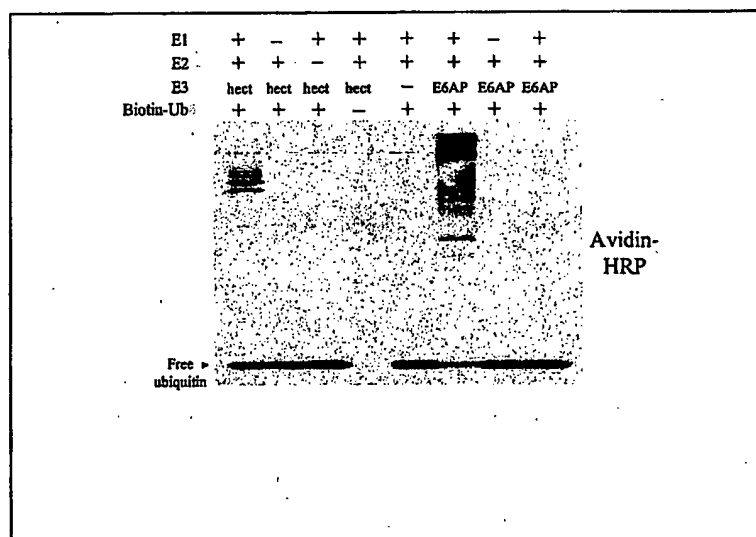


FIG. 11

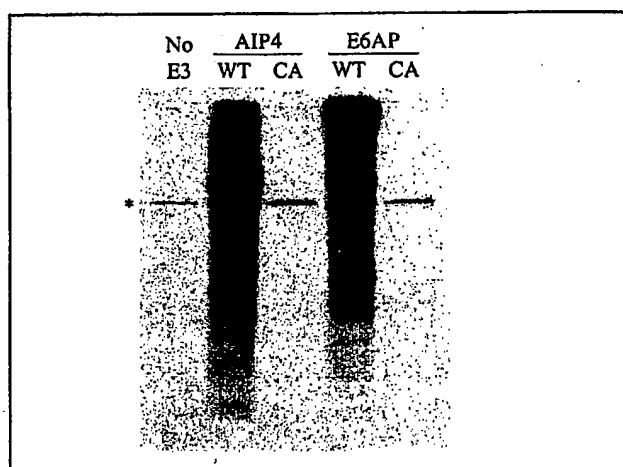


FIG. 12

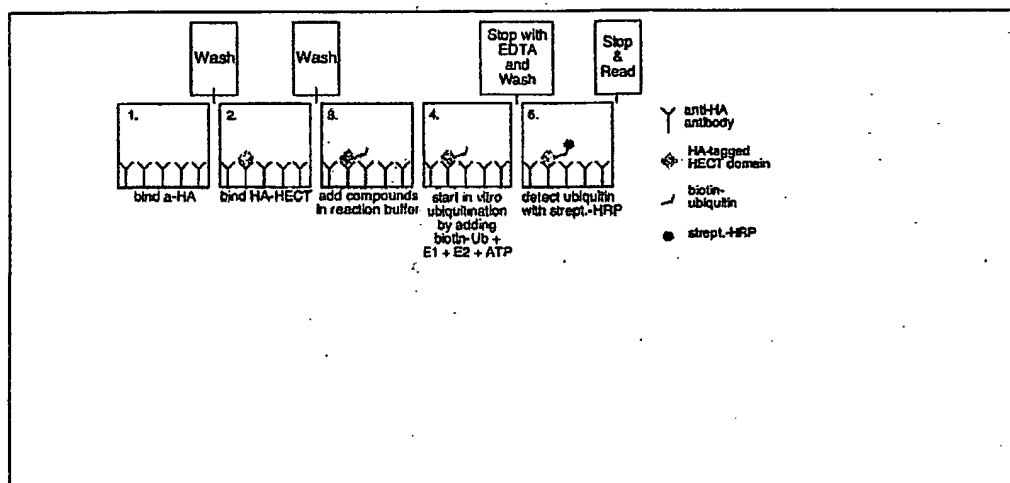


Fig. 13

Fig. 14A

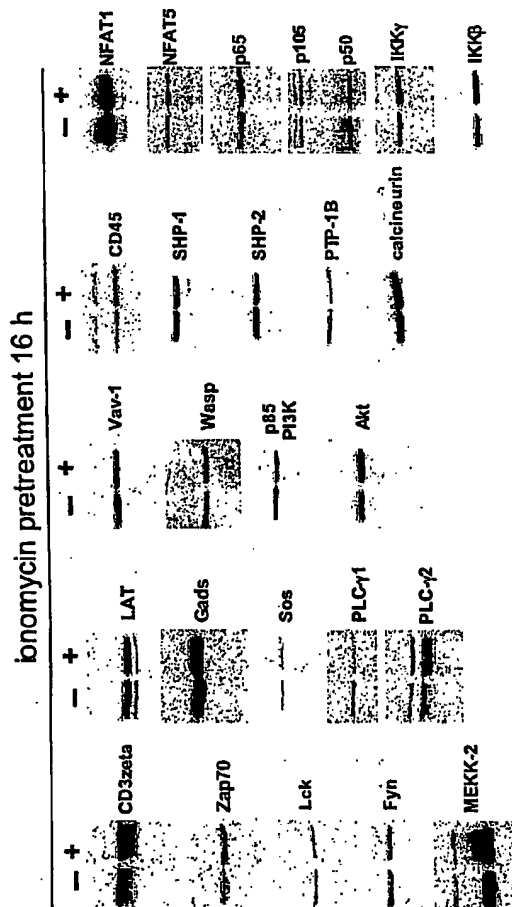


Fig. 15A

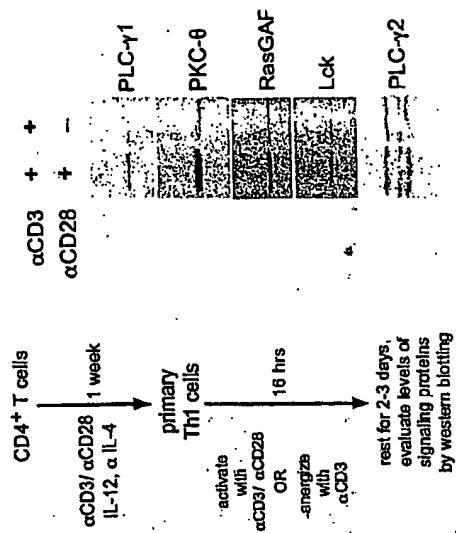


Fig. 14B

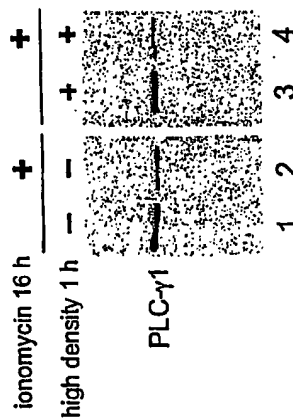


Fig. 14C

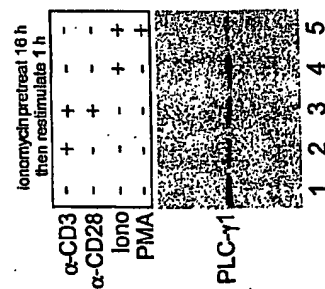


Fig. 14D

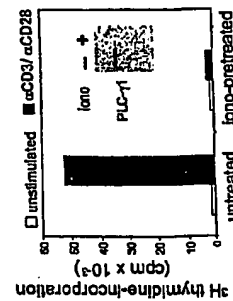


Fig. 15B

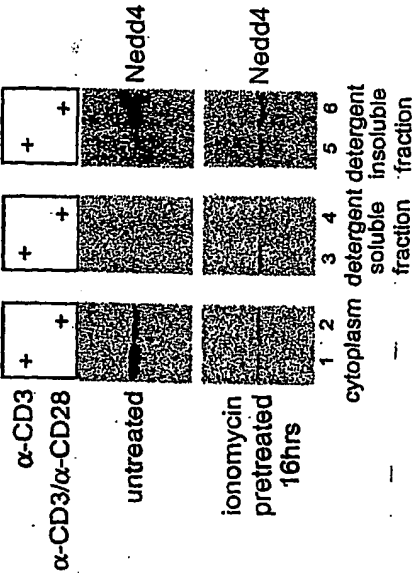


Fig. 16A

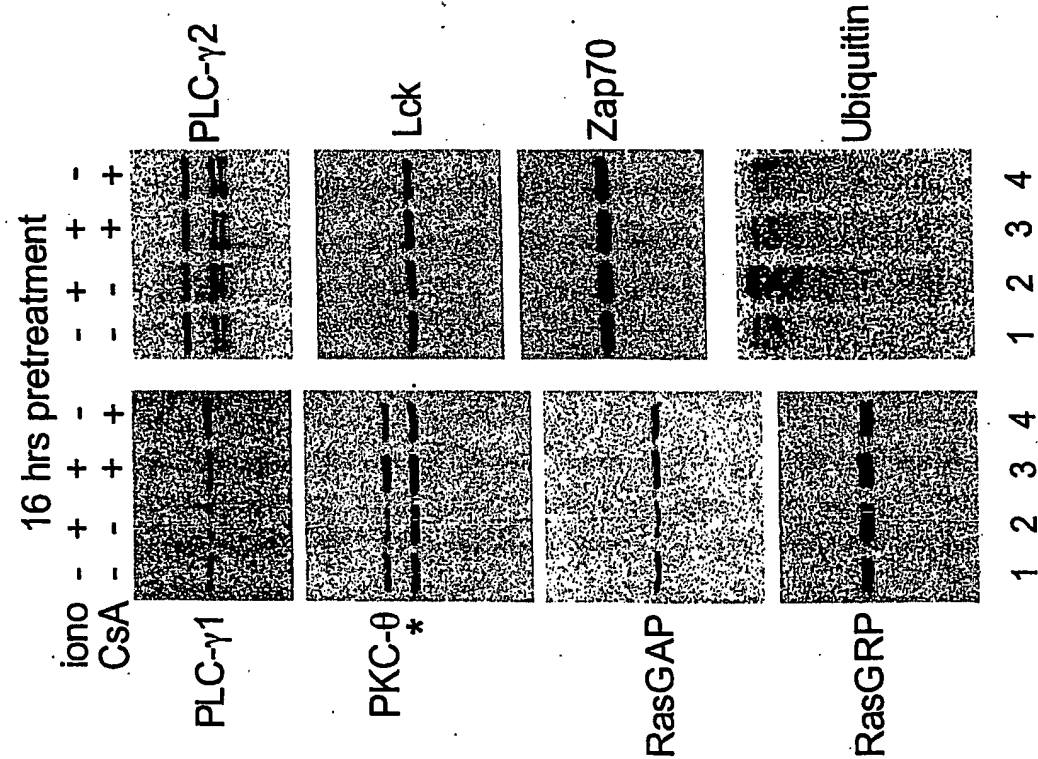


Fig. 21

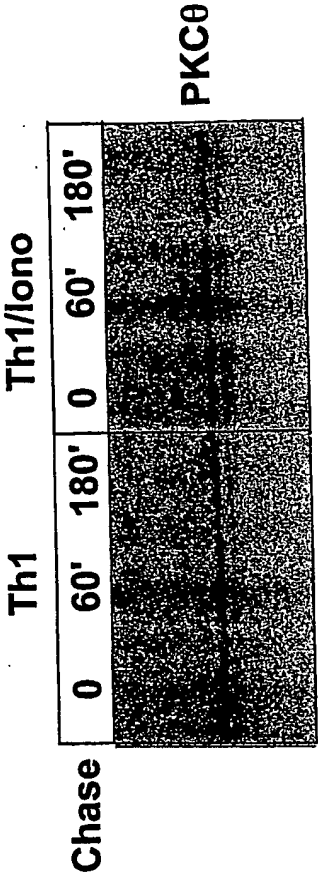


Fig. 14E

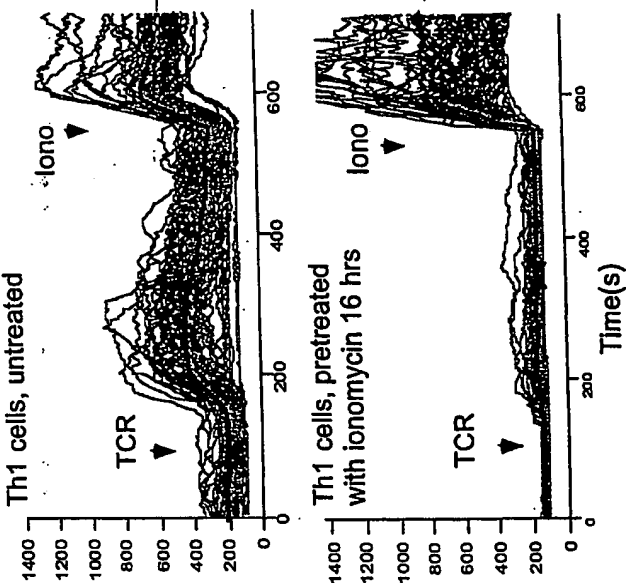


Fig. 16D

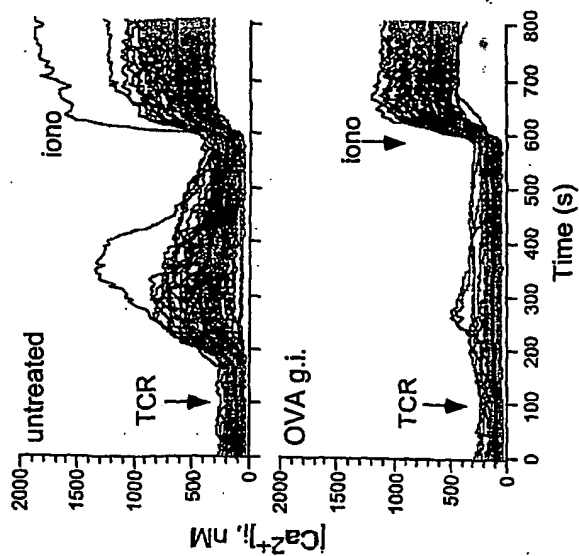


Fig. 16B

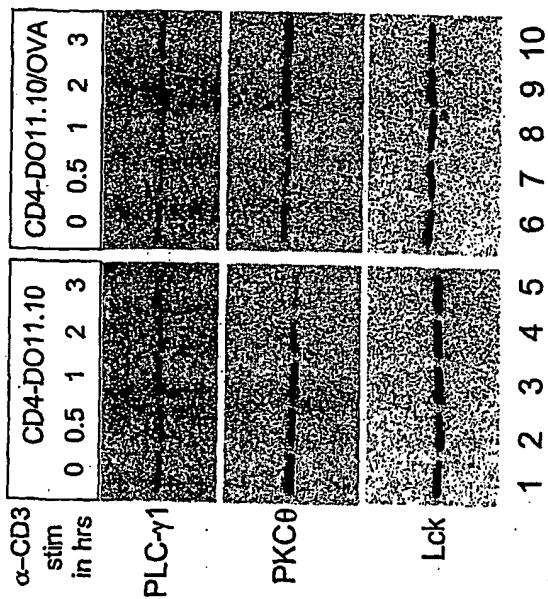
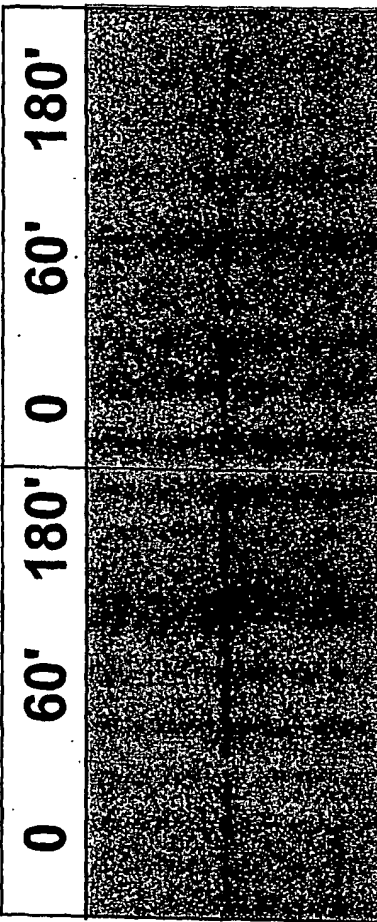


Fig. 16C

DO11.10 DO11.10/OVA

Chase



PKCθ

Fig. 17A

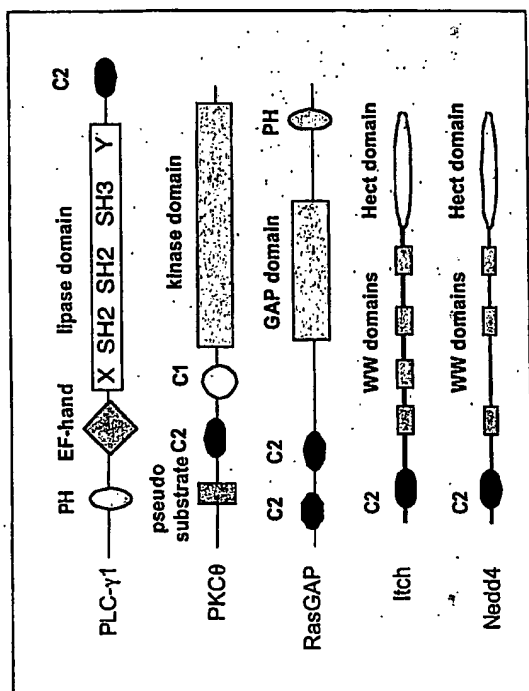


Fig. 15D

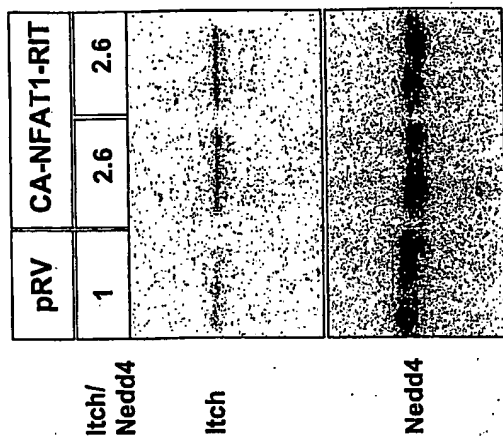


Fig. 15C

αCD3, μg 0.25 1 0.25 -
αCD28, μg 2 - - -

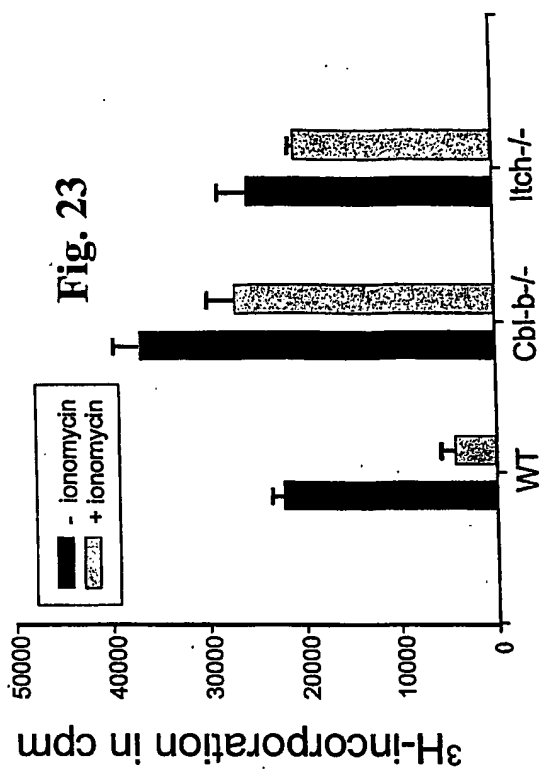


Fig. 17B

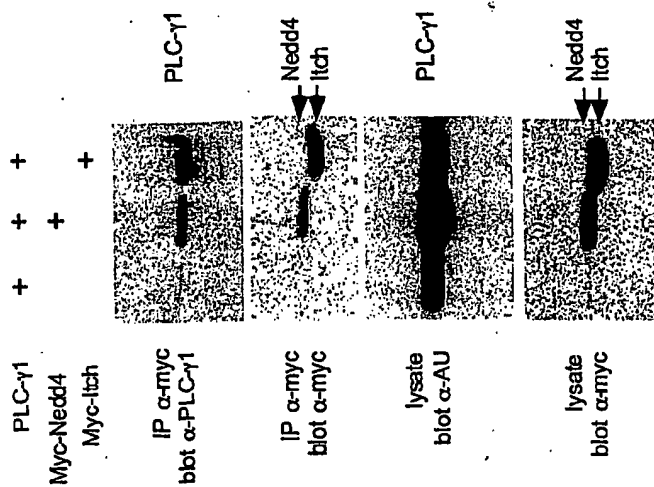


Fig. 17C

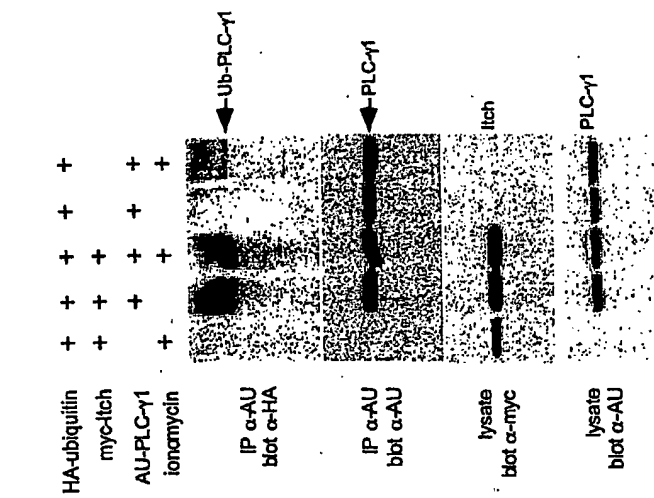


Fig. 17F

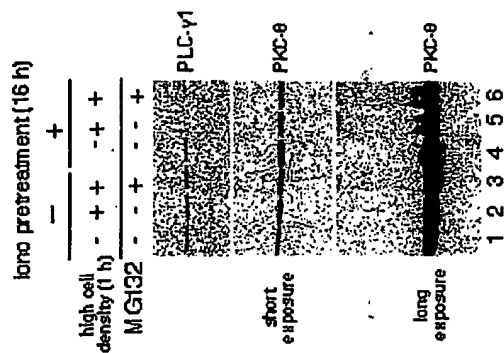


Fig. 17E

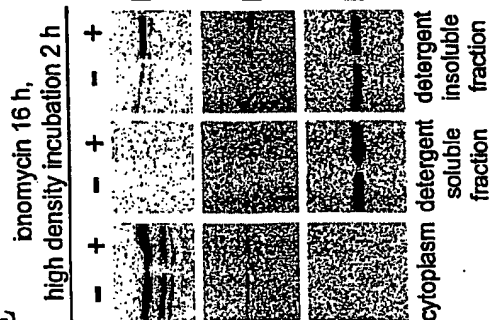


Fig. 17G

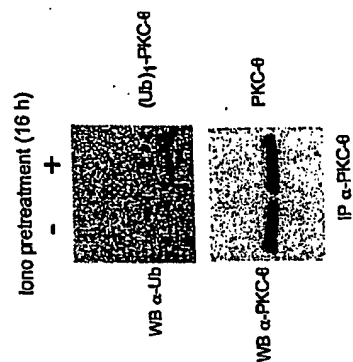


Fig. 17D

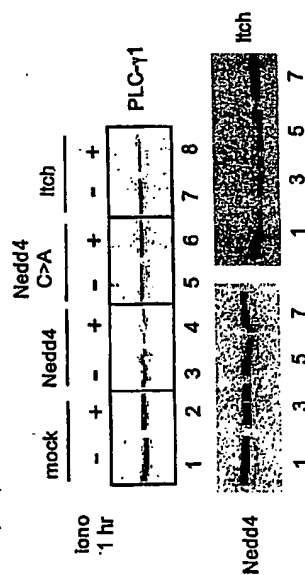


Fig. 18A

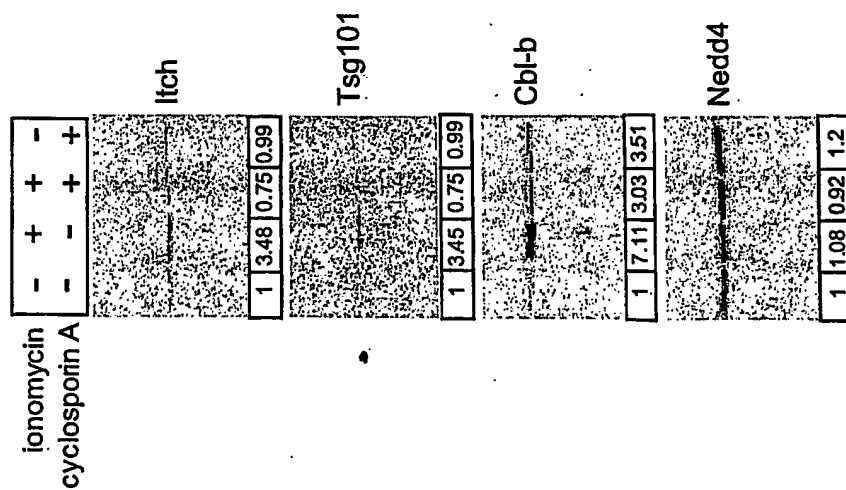


Fig. 18B

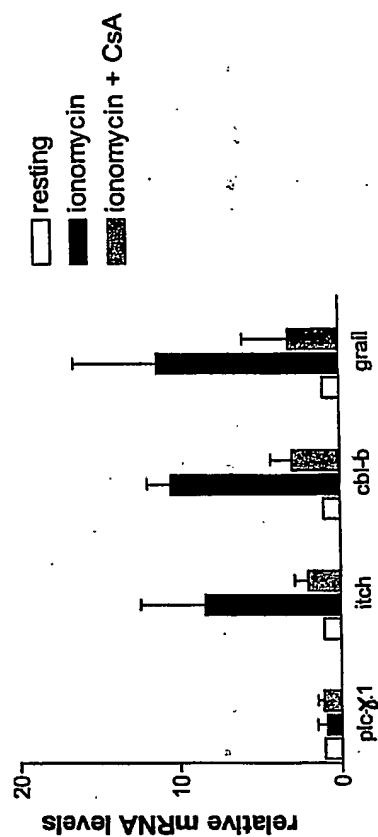


Fig. 19A

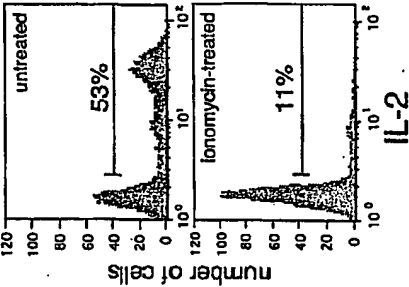


Fig. 19B

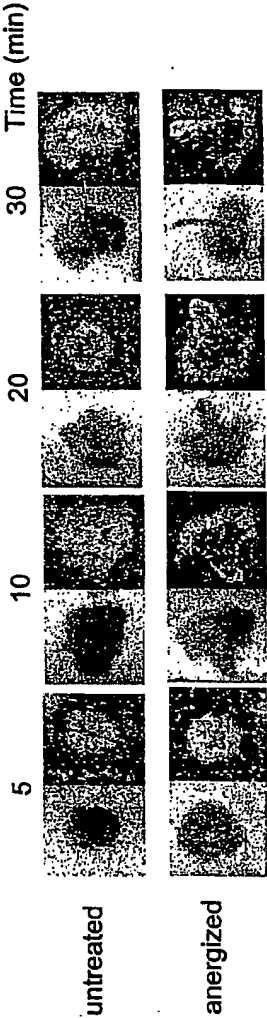


Fig. 19C

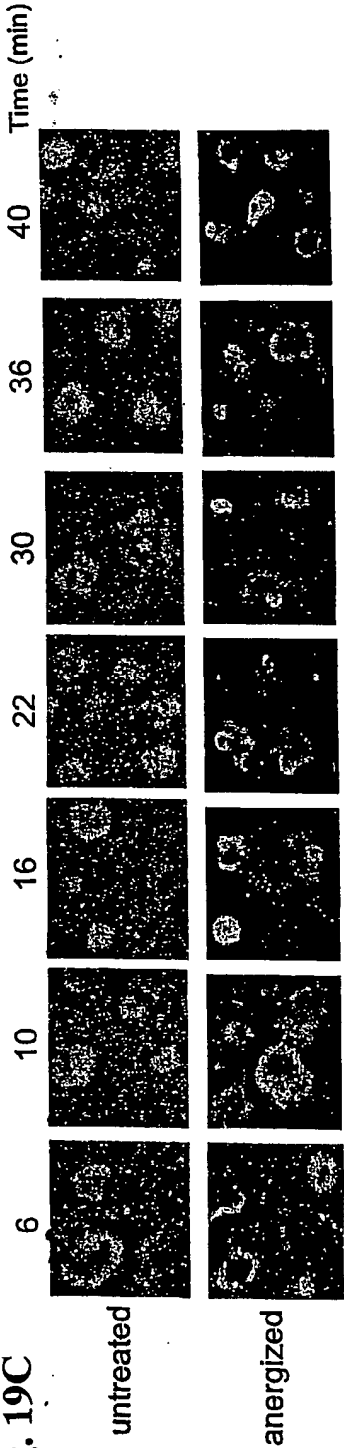
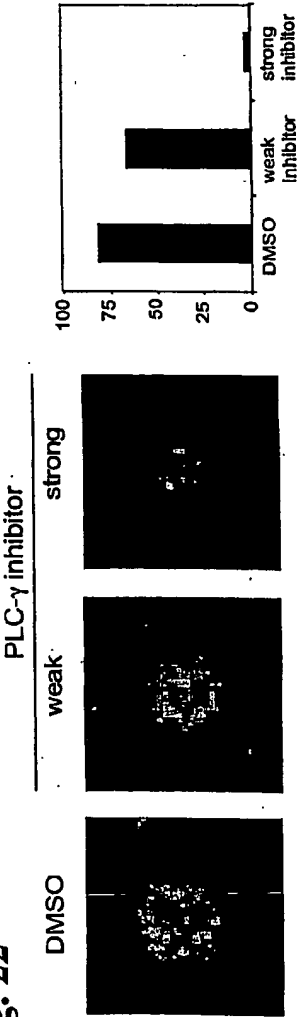


Fig. 22



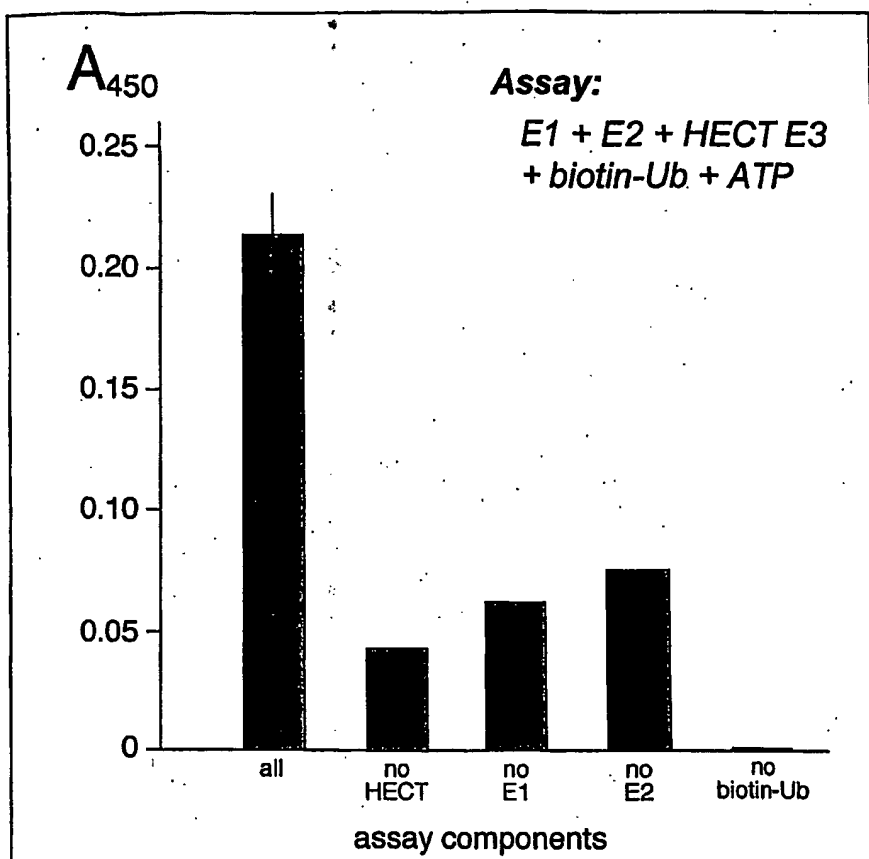
1 mavesqlkk mvskykyrdl tvretvntv lykdlkpvl syvfndgssr elmntgtip
61 vpyrgntyni piclwlllty pynppicfvk ptssmtiktg khvdangkiy lpylhewkhp
121 qsdllgliqv mivvfgdepp vfsrptvsas ppyqatgppn tsympgmpgg ispypsgypp
181 npsgypgcyp ppggypypatt ssqypsqqpv ttvgpsrdgt isedtirasl isavsdklrw
241 rmkeemdraq aelnalkrte edlkkghqkl eemvtrldge vaevdkniel lkkkdeels
301 alekmenqse nndideviip taplykqiln lyaeenaied tifylgealr rgvidldvfl
361 khvrllsrkq qqlralmqka rktagsldly (SEQ ID NO:19)

Fig. 20A

1 mavesqlkk mmskykyrdl tvrqtvnvia mykdlkpvl syvfndgssr elvnlgtip
61 vryrgniyni piclwlllty pynppicfvk ptssmtiktg khvdangkiy lpylhdkwkh
121 rselleliqi mivifgepp vfsrptvsas ypytatgpp ntsympgmps gisaypsgyp
181 pnpsgypgcp yppagypypat tssqypsqqp vttvgpsrdg tisedtiras lisavsdklr
241 wrmkeemdga qaelnalkrt eedlkkghqk leemvtrldg evaevdknie lkkkdeels
301 salekmenqs enndidevii ptaplykqil nlyaeenaie dtifylgeal rrgvidldvf
361 lkhvrllsrk qqlralmqk arktagsldl y (SEQ ID NO:20)

Fig. 20B

Fig. 24



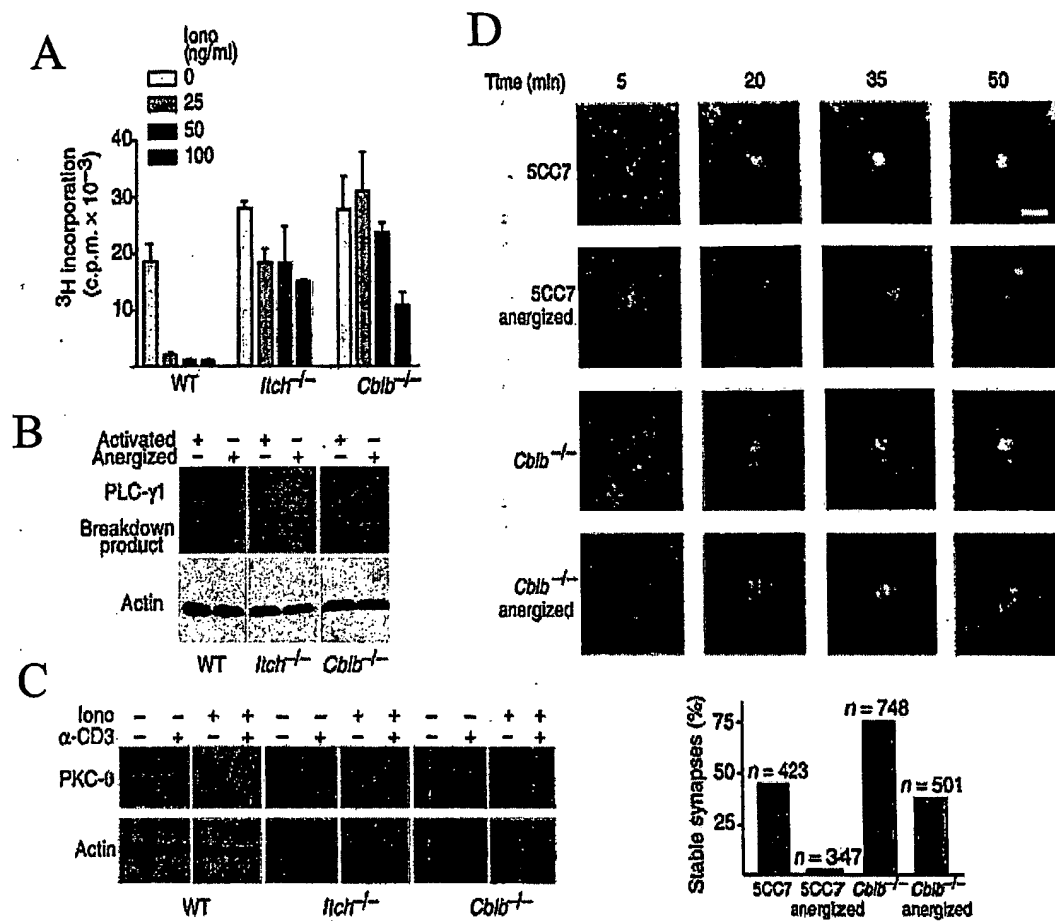


Fig. 25

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.